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DEUTSCHES  PATENTAMT

Behördenbesitz

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Offenlegungsschrift **24 59 226**

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Anmeldetag:

14. 12. 74

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Offenlegungstag:

16. 6. 76

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Unionspriorität:

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Bezeichnung:

Verfahren zum wirtschaftlichen Verwerten der bei der Kultur von
Dattelpalmen als Abfall anfallenden Rohstoffe

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Anmelder:

Ezzat, Sami, Dr.-Ing., 6100 Darmstadt; Kessemeier, Heinz, 2830 Bassum

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Erfinder:

gleich Anmelder

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TITLE: Utilisation of waste by cooking with ammonium polysulphide to recover cellulose, and treatment of the waste liquor for fertiliser (and fodder) mfr

Basic Abstract Text - ABTX (1):

Process for economic utilisation of raw materials, ie. palm leaves and petioles, produced as waste during cultivation of (Phoenix dactylifera) comprises (i) decomposing with an NH_4 polysulphide to prepare cellulose (I) then (ii) separating (I) from the waste liquor and conventionally washing, grinding and drying. The waste liquor is then (a) adjusted to pH 6-7 to recover an N-lignin residue (II) which is dried or (b) after pH adjustment inoculated with yeast, fermented, then sepd. into a yeast-contg. fraction (III) and a residue (II). The cellulose can be bleached to make white paper or (if made from leaves) used to make kraft and corrugated paper. (II) is useful as a fertilizer, and (III) is useful as cattle fodder. Delignification is rapid and the NH_3 -recycle system requires no extra investment.

Title - TIX (1):

Utilisation of waste by cooking with ammonium polysulphide to recover cellulose, and treatment of the waste liquor for fertiliser (and fodder) mfr

Standard Title Terms - TTX (1):

UTILISE WASTE COOK AMMONIUM POLYSULPHIDE RECOVER CELLULOSE TREAT LIQUOR FERTILISER FODDER MANUFACTURE